

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

| | | | |
|-----------|---|-------|-----------|
| <u>L5</u> | 13 and L4 | 11 | <u>L5</u> |
| <u>L4</u> | humectant\$1 | 14536 | <u>L4</u> |
| <u>L3</u> | 11 and L2 | 619 | <u>L3</u> |
| | sul\$2onylur\$6 or sul\$2onylcarbonyldi?mino or sul\$2onylaminocarbonylamino or (sul\$2onylaminocarbonyl amino) or (sul\$2onylamino (carbonylamino or (carbonyl amino))) or ur\$6sul\$2onyl\$ or carbonyldi?minosul\$2onyl\$ or aminocarbonylamino\$2onyl\$ or (aminocarbonyl aminosul\$2onyl\$) or (amino (carbonylamino\$2onyl\$ or (carbonyl aminosul\$2onyl\$))) or \$2carbamoysul\$2amoyl or (\$2carbamoyl \$2sul\$2amoyl) or sul\$2onyl near (urea\$1 or ureido or ureylene or uramino or carbonyldi?mino or aminocarbonylamino or (aminocarbonyl amino) or (amino (carbonylamino or (carbonyl amino)))) | 9374 | <u>L2</u> |
| <u>L1</u> | bromus or brome\$1 | 3138 | <u>L1</u> |

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 11 returned.**☐ 1. Document ID: US 20020072474 A1

L5: Entry 1 of 11

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020072474

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020072474 A1

TITLE: Herbicidal compositions

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------------|-------|---------|---------|
| Bickers, Udo | Wietmarschen | | DE | |
| Bieringer, Hermann | Eppstein | | DE | |
| Frisch, Gerhard | Wehrheim | | DE | |
| Hacker, Erwin | Hochheim | | DE | |
| Huff, Hans Philipp | Eppstein | | DE | |

US-CL-CURRENT: [504/211](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|
| Draw Desc | Image | | | | | | | | | | |

☐ 2. Document ID: US 20020058591 A1

L5: Entry 2 of 11

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058591

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020058591 A1

TITLE: Herbicidal compositions

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------------|-------|---------|---------|
| Bickers, Udo | Wietmarschen | | DE | |
| Bieringer, Hermann | Eppstein | | DE | |
| Frisch, Gerhard | Wehrheim | | DE | |
| Hacker, Erwin | Hochheim | | DE | |
| Huff, Hans Philipp | Eppstein | | DE | |

US-CL-CURRENT: [504/211](#)

| | | | | | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC |
| Draw Desc | Image | | | | | | | | | | |

☐ 3. Document ID: US 5985793 A

L5: Entry 3 of 11

File: USPT

Nov 16, 1999

US-PAT-NO: 5985793

DOCUMENT-IDENTIFIER: US 5985793 A

TITLE: Sequential application method for treating plants with exogenous chemicals

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------------|-------|----------|---------|
| Sandbrink; Joseph J. | Des Peres | MO | | |
| Warner; James M. | University City | MO | | |
| Wright; Daniel R. | St. Louis | MO | | |
| Feng; Paul C. C. | Ellisville | MO | | |

US-CL-CURRENT: 504/363; 424/405, 504/206, 504/208, 504/212, 504/250, 504/253,
504/258, 504/274, 504/291, 504/323, 504/324, 504/339, 504/342, 504/347, 504/352

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|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC |
| Draw Desc | Image | | | | | | | | | |

☐ 4. Document ID: US 5912209 A

L5: Entry 4 of 11

File: USPT

Jun 15, 1999

US-PAT-NO: 5912209

DOCUMENT-IDENTIFIER: US 5912209 A

TITLE: Surfactants providing enhanced efficacy and/or rainfastness to glyphosate formulations

DATE-ISSUED: June 15, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|--------------|-------|----------|---------|
| Kassebaum; James W. | Indianapolis | IN | | |
| Sandbrink; Joseph J. | Des Peres | MO | | |
| Warner; James M. | St. Louis | MO | | |

US-CL-CURRENT: 504/206

| | | | | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC |
| Draw Desc | Image | | | | | | | | | |

☐ 5. Document ID: US 5663117 A

L5: Entry 5 of 11

File: USPT

Sep 2, 1997

US-PAT-NO: 5663117

DOCUMENT-IDENTIFIER: US 5663117 A

TITLE: Alkoxyated primary alcohol surfactants providing enhanced efficacy and/or rainfastness to glyphosate formulations

DATE-ISSUED: September 2, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Warner; James M. | St. Louis | MO | | |

US-CL-CURRENT: 504/206; 504/362

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC |
| Draw Desc | Image | | | | | | | | | |

☐ 6. Document ID: US 5658853 A

L5: Entry 6 of 11

File: USPT

Aug 19, 1997

US-PAT-NO: 5658853

DOCUMENT-IDENTIFIER: US 5658853 A

TITLE: Glyphosate herbicidal compositions having enhanced rainfastness comprising an acetylenic diol and an alkyl polyglycoside

DATE-ISSUED: August 19, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|------------|-------|----------|---------|
| Kassebaum; James W. | Manchester | MO | | |
| Dayawon; Miguel M. | St. Louis | MO | | |
| Sandbrink; Joseph J. | Des Peres | MO | | |

US-CL-CURRENT: 504/206; 504/362

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|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC |
| Draw Desc | Image | | | | | | | | | |

☐ 7. Document ID: US 5639711 A

L5: Entry 7 of 11

File: USPT

Jun 17, 1997

US-PAT-NO: 5639711

DOCUMENT-IDENTIFIER: US 5639711 A

TITLE: Glyphosate-containing herbicidal compositions having enhanced effectiveness

DATE-ISSUED: June 17, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|------------|-------|----------|---------|
| Kassebaum; James W. | Manchester | MO | | |
| Dayawon; Miguel M. | St. Louis | MO | | |
| Sandbrink; Joseph J. | Des Peres | MO | | |

US-CL-CURRENT: 504/206; 504/362

| | | | | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC |
| Draw Desc | Image | | | | | | | | | |

☒ 8. Document ID: US 5464806 A

L5: Entry 8 of 11

File: USPT

Nov 7, 1995

US-PAT-NO: 5464806

DOCUMENT-IDENTIFIER: US 5464806 A

TITLE: Glyphosate-containing herbicidal compositions having enhanced effectiveness

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|------------|-------|----------|---------|
| Kassebaum; James W. | Manchester | MO | | |
| Dayawon; Miguel M. | St. Louis | MO | | |
| Sandbrink; Joseph J. | Des Peres | MO | | |

US-CL-CURRENT: 504/206; 504/362

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|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC |
| Draw Desc | Image | | | | | | | | | |

☐ 9. Document ID: US 5258359 A

L5: Entry 9 of 11

File: USPT

Nov 2, 1993

US-PAT-NO: 5258359

DOCUMENT-IDENTIFIER: US 5258359 A

TITLE: Glyphosant-containing herbicidal compositions comprising acetylenic diol rainfastness enhancing agents

DATE-ISSUED: November 2, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|------------|-------|----------|---------|
| Kassebaum; James W. | Manchester | MO | | |
| Dayawon; Miguel M. | St. Louis | MO | | |
| Sandbrink; Joseph J. | Des Peres | MO | | |

US-CL-CURRENT: 504/206; 504/362

| | | | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
| Draw Desc | Image | | | | | | | | |

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☒ 10. Document ID: US 4441917 A

L5: Entry 10 of 11

File: USPT

Apr 10, 1984

US-PAT-NO: 4441917

DOCUMENT-IDENTIFIER: US 4441917 A

TITLE: Herbicidal urea derivatives

DATE-ISSUED: April 10, 1984

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------------|-------|----------|---------|
| Griffin; David A. | Bracknell | | | GB2 |
| Collins; David J. | Crowthorne | | | GB2 |

US-CL-CURRENT: 504/302; 504/226, 504/249, 504/287, 504/311, 504/328, 558/413, 560/13

| | | | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
| Draw Desc | Image | | | | | | | | |

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| 13 and L4 | 11 |

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Search Results - Record(s) 11 through 11 of 11 returned.

11. Document ID: US 20020058591 A1, WO 200207519 A1, DE 10036002 A1, AU 200189654 A

L5: Entry 11 of 11 File: DWPI May 16, 2002

DERWENT-ACC-NO: 2002-291807
DERWENT-WEEK: 200237
COPYRIGHT 2002 DERWENT INFORMATION LTD
TITLE: Herbicidal composition, especially for selective weed control in crops, containing herbicide in combination with surfactant and humectant to improve activity and selectivity special against Bromus weeds
INVENTOR: BICKERS, U; BIERINGER, H ; FRISCH, G ; HACKER, E ; HUFF, H P
PRIORITY-DATA: 2000DE-1036002 (July 25, 2000)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-------------------|-------------------|----------|-------|------------|
| US 20020058591 A1 | May 16, 2002 | | 000 | A01N047/36 |
| WO 200207519 A1 | January 31, 2002 | G | 063 | A01N047/36 |
| DE 10036002 A1 | February 14, 2002 | | 000 | A01N047/34 |
| AU 200189654 A | February 5, 2002 | | 000 | A01N047/36 |

INT-CL (IPC): A01 N 25/22; A01 N 47/34; A01 N 47/36

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| Full | Title | CLS.11 | REF.11 | SEQ.11 | ATT.11 |
| | | | | | |

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| l3 and L4 | 11 |

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